

Title (en)

TITANIUM BASED CARBONITRIDE ALLOY WITH NITRIDED SURFACE ZONE

Title (de)

KARBONNITRIDLEGIERUNG AUF TITANBASIS MIT NITRIERTER OBERFLÄCHENZONE

Title (fr)

ALLIAGE DE CARBONITRURE A BASE DE TITANE, COMPORTANT UNE ZONE SUPERFICIELLE NITRUREE

Publication

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Application

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Priority

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- SE 9701859 A 19970515

Abstract (en)

[origin: WO9851831A1] According to the present invention an uncoated titanium based carbonitride cutting tool insert with superior plastic deformation resistance and wear resistance is provided. This is accomplished by heat treating the material in nitrogen atmosphere under conditions to obtain a nitrogen rich surface zone, also containing substantial amounts of binder phase.

IPC 1-7

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IPC 8 full level

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